

Photograph 1

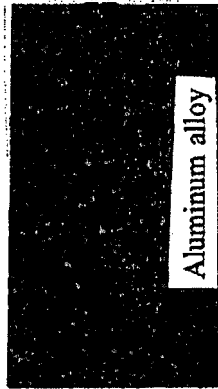
◆AFM観察結果

observation result by AFM

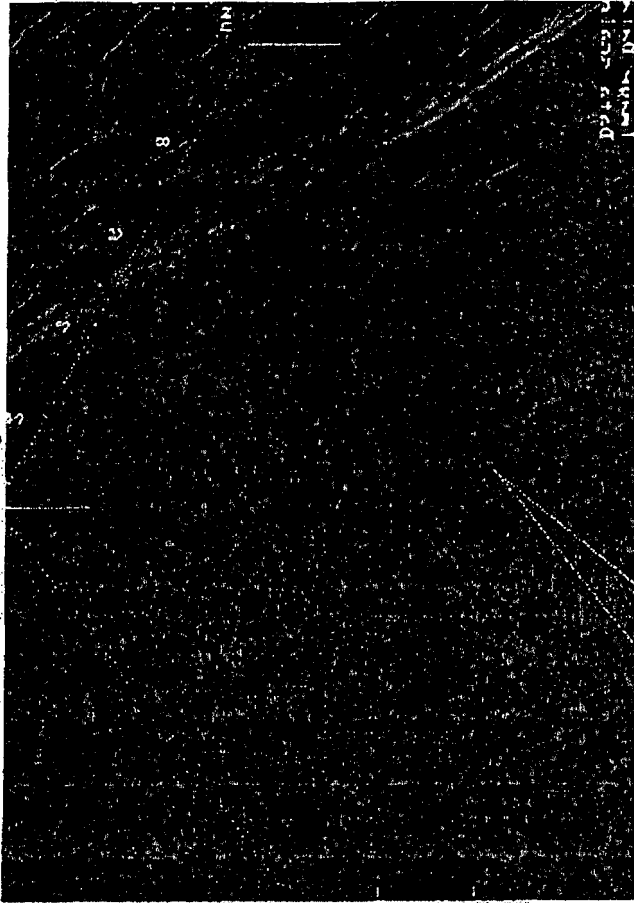
PPSとアルミニウムとが接合した試験片のアルミニウムを溶解し、
得られたPPS面を観察した。 We observed the surface of PPS that dissolved only aluminum alloy
in the aluminum alloy-and PPS resin composite.

PPSが微細孔へ流入していることを確認した。

PPS spread in the fine recesses and confirmed
that filled up the fine recesses with this photograph.



The aluminum alloy dissolution
↓



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Analysis center in Tosoh Corporation

PPS spread in the fine recesses and
confirmed that filled up the fine recesses

TP091013#09

Confidential

接合強度が低い成形条件での微細孔流入状態の確認

Observation by various molding conditions when filled up the fine recesses

PPS-アルミニウム接合片のアルミニウムを溶解し、得られたPPS面のAFM観察

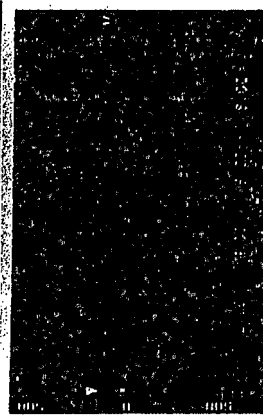
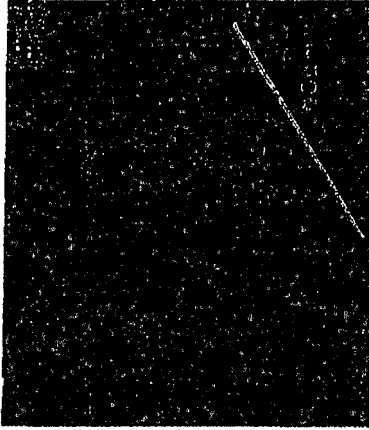
We observed the surface of PPS by AFM that dissolved only aluminum alloy in the aluminum alloy-and PPS resin composite.

Keep pressure after a injection 通常保圧 68MPa

at 1. (General pressure)

保圧 1MPa keep pressure after a injection

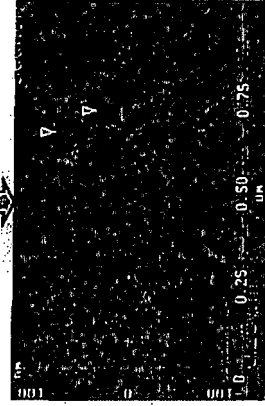
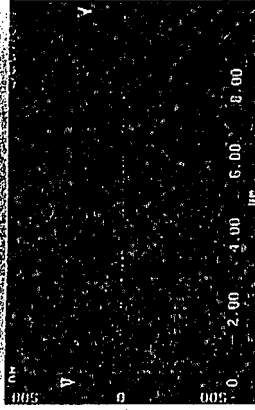
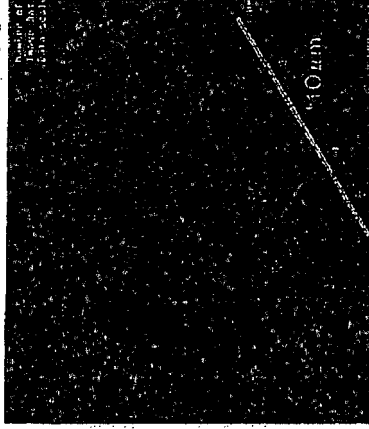
(Low pressure)



The shear breaking strength

接合強度

27MPa



21MPa

Photograph 2

#09

ograph 2